

1627

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/518,813

DATE: 03/02/2001  
 TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
 Output Set: N:\CRF3\03022001\I518813.raw

ENTERED

RECEIVED  
 MAR 13 2001  
 TECH CENTER 1600/2900

4 <110> APPLICANT: CARR, Francis Joseph  
 5 CARTER, Graham  
 6 HAMILTON, Anita Anne  
 7 ADAIR, Fiona Suzanne  
 8 WILLIAMS, Stephen  
 10 <120> TITLE OF INVENTION: METHODS FOR PROTEIN SCREENING  
 12 <130> FILE REFERENCE: 102286.412  
 14 <140> CURRENT APPLICATION NUMBER: US 09/518,813  
 15 <141> CURRENT FILING DATE: 2000-03-03  
 17 <150> PRIOR APPLICATION NUMBER: PCT/GB98/02649  
 18 <151> PRIOR FILING DATE: 1998-09-03  
 20 <150> PRIOR APPLICATION NUMBER: US 60/070,063  
 21 <151> PRIOR FILING DATE: 1997-12-30  
 23 <150> PRIOR APPLICATION NUMBER: US 60/070,062  
 24 <151> PRIOR FILING DATE: 1997-12-30  
 26 <150> PRIOR APPLICATION NUMBER: US 60/070,037  
 27 <151> PRIOR FILING DATE: 1997-12-30  
 29 <150> PRIOR APPLICATION NUMBER: US 60/070,050  
 30 <151> PRIOR FILING DATE: 1997-12-30  
 32 <150> PRIOR APPLICATION NUMBER: GB 9718552.4  
 33 <151> PRIOR FILING DATE: 1997-09-03  
 35 <150> PRIOR APPLICATION NUMBER: GB 9719834.5  
 36 <151> PRIOR FILING DATE: 1997-09-18  
 38 <150> PRIOR APPLICATION NUMBER: GB 9720184.2  
 39 <151> PRIOR FILING DATE: 1997-09-14  
 41 <150> PRIOR APPLICATION NUMBER: GB 9720522.3  
 42 <151> PRIOR FILING DATE: 1997-09-29  
 44 <150> PRIOR APPLICATION NUMBER: GB 9720523.1  
 45 <151> PRIOR FILING DATE: 1997-09-29  
 47 <150> PRIOR APPLICATION NUMBER: GB 9801255.2  
 48 <151> PRIOR FILING DATE: 1998-01-22  
 50 <150> PRIOR APPLICATION NUMBER: GB 9803828.4  
 51 <151> PRIOR FILING DATE: 1998-02-25  
 53 <150> PRIOR APPLICATION NUMBER: GB 9720524.9  
 54 <151> PRIOR FILING DATE: 1997-09-29  
 56 <150> PRIOR APPLICATION NUMBER: GB 9807760.5  
 57 <151> PRIOR FILING DATE: 1998-04-14  
 59 <150> PRIOR APPLICATION NUMBER: GB 9811130.5  
 60 <151> PRIOR FILING DATE: 1998-05-23  
 62 <150> PRIOR APPLICATION NUMBER: GB 970525.6  
 63 <151> PRIOR FILING DATE: 1997-09-29  
 65 <160> NUMBER OF SEQ ID NOS: 60  
 67 <170> SOFTWARE: PatentIn version 3.0  
 69 <210> SEQ ID NO: 1  
 70 <211> LENGTH: 13  
 71 <212> TYPE: DNA  
 72 <213> ORGANISM: Kozak translation initiation sequence consensus

## RAW SEQUENCE LISTING

DATE: 03/02/2001

PATENT APPLICATION: US/09/518,813

TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt

Output Set: N:\CRF3\03022001\I518813.raw

```

74 <400> SEQUENCE: 1
75 gccgccacca tgg                                     13
79 <210> SEQ ID NO: 2
80 <211> LENGTH: 66
81 <212> TYPE: DNA
82 <213> ORGANISM: linker sequence between HindIII and Eco RI sites
84 <400> SEQUENCE: 2
85 agcttgcccc agccggccat ggcccaggtc caactgcagg agctcgagat caaacgggcg      60
87 gccgcg                                             66
91 <210> SEQ ID NO: 3
92 <211> LENGTH: 66
93 <212> TYPE: DNA
94 <213> ORGANISM: linker sequence between HindIII and Eco RI sites
96 <400> SEQUENCE: 3
97 aattcgcggc cgcccgtttg atctcgagct cctgcagttg gacctggggc atggccggct.    60
99 gggcca                                             66
103 <210> SEQ ID NO: 4
104 <211> LENGTH: 14
105 <212> TYPE: PRT
106 <213> ORGANISM: amino acid linker sequence
108 <400> SEQUENCE: 4
110 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
111 1          5          10
114 <210> SEQ ID NO: 5
115 <211> LENGTH: 28
116 <212> TYPE: DNA
117 <213> ORGANISM: primer sequence
119 <400> SEQUENCE: 5
120 cagctgcagg agtctggggg aggcttag                                     28
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 36
126 <212> TYPE: DNA
127 <213> ORGANISM: primer sequence
129 <400> SEQUENCE: 6
130 tcagtagacg gtgaccgagg ttccttgacc ccagta                                     36
134 <210> SEQ ID NO: 7
135 <211> LENGTH: 26
136 <212> TYPE: DNA
137 <213> ORGANISM: primer sequence
139 <400> SEQUENCE: 7
140 gtgacattga gctcacacag tctcct                                     26
144 <210> SEQ ID NO: 8
145 <211> LENGTH: 28
146 <212> TYPE: DNA
147 <213> ORGANISM: primer sequence
149 <400> SEQUENCE: 8
150 cagcccgttt tatctcgagc ttggtccg                                     28
154 <210> SEQ ID NO: 9
155 <211> LENGTH: 47

```

## RAW SEQUENCE LISTING

DATE: 03/02/2001

PATENT APPLICATION: US/09/518,813

TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt

Output Set: N:\CRF3\03022001\I518813.raw

```

156 <212> TYPE: DNA
157 <213> ORGANISM: RD 5' HIS primer sequence
159 <400> SEQUENCE: 9
160 gcggatccca tatgcaccat catcaccatc accaggtgca gctgcag 47
164 <210> SEQ ID NO: 10
165 <211> LENGTH: 30
166 <212> TYPE: DNA
167 <213> ORGANISM: synthetic oligonucleotide
169 <400> SEQUENCE: 10
170 agaatacagg gtccaaatag aatccagggt 30
174 <210> SEQ ID NO: 11
175 <211> LENGTH: 50
176 <212> TYPE: DNA
177 <213> ORGANISM: synthetic oligonucleotide
179 <400> SEQUENCE: 11
180 ctacctataa aaataggcgt atcacgagge cctttcgtct tcaataattc 50
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 54
186 <212> TYPE: DNA
187 <213> ORGANISM: synthetic oligonucleotide
189 <400> SEQUENCE: 12
190 agcgaattca ccctggattc tatttggacc ctgtattcta cctataaaaa tagg 54
193 <210> SEQ ID NO: 13
194 <211> LENGTH: 61
195 <212> TYPE: DNA
196 <213> ORGANISM: synthetic oligonucleotide
198 <400> SEQUENCE: 13
199 ggtttccctc tagaatacag ggtccaaata gaatccaggg taagaaggag atatacatat 60
201 g 61
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 67
206 <212> TYPE: DNA
207 <213> ORGANISM: synthetic oligonucleotide
209 <400> SEQUENCE: 14
210 atatatatgt cgacgaaatt aatacgactc actataggga gaccacaacg gtttccctct 60
212 agaatac 67
215 <210> SEQ ID NO: 15
216 <211> LENGTH: 50
217 <212> TYPE: DNA
218 <213> ORGANISM: synthetic oligonucleotide
220 <400> SEQUENCE: 15
221 atatatatgt cgacgaaatt aatacgactc actataggga gaccacaacg 50
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 33
226 <212> TYPE: DNA
227 <213> ORGANISM: forward primer sequence fdig1
229 <400> SEQUENCE: 16
230 ccgtatagat ctacaggtcaa actgcaggag tct 33
233 <210> SEQ ID NO: 17

```

RAW SEQUENCE LISTING                      DATE: 03/02/2001  
 PATENT APPLICATION: US/09/518,813              TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt  
 Output Set: N:\CRF3\03022001\I518813.raw

```

234 <211> LENGTH: 66
235 <212> TYPE: DNA
236 <213> ORGANISM: reverse primer sequence rdig1
238 <400> SEQUENCE: 17
239 ccgtatagat ctcagggtcaa actgcaggag tctccgtatg gatccccggt ttatttccaa 60
241 cttttgt 66
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 30
246 <212> TYPE: DNA
247 <213> ORGANISM: forward primer sequence foxl
249 <400> SEQUENCE: 18
250 ccgtatagag atgtcgtgat gacccaaact 30
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 33
255 <212> TYPE: DNA
256 <213> ORGANISM: reverse primer sequence roxl
258 <400> SEQUENCE: 19
259 ccgtatggat cctgaggaga cggtgactga ggt 33
262 <210> SEQ ID NO: 20
263 <211> LENGTH: 33
264 <212> TYPE: DNA
265 <213> ORGANISM: primer sequence m13f1
267 <400> SEQUENCE: 20
268 ccgtatagat ctggctttaa tgaggatcca ttc 33
271 <210> SEQ ID NO: 21
272 <211> LENGTH: 33
273 <212> TYPE: DNA
274 <213> ORGANISM: primer sequence m13r1
276 <400> SEQUENCE: 21
277 ccgtatctcg agctgtagcg cgttttcatc ggc 33
280 <210> SEQ ID NO: 22
281 <211> LENGTH: 33
282 <212> TYPE: DNA
283 <213> ORGANISM: primer sequence m13f2
285 <400> SEQUENCE: 22
286 ccgtatgtcg acggctttaa tgaggatcca ttc 33
289 <210> SEQ ID NO: 23
290 <211> LENGTH: 33
291 <212> TYPE: DNA
292 <213> ORGANISM: primer sequence m13r2
294 <400> SEQUENCE: 23
295 ccgtattgat cactgtagcg cgttttcatc ggc 33
298 <210> SEQ ID NO: 24
299 <211> LENGTH: 90
300 <212> TYPE: DNA
301 <213> ORGANISM: primer sequence fdig2
303 <400> SEQUENCE: 24
304 ccgtatagat ctatgggatg gagctgtatc atcctcttct tggtagcaac agctacaggt 60
306 gtccactccc aggtcaaact gcaggagtct 90

```

## RAW SEQUENCE LISTING

DATE: 03/02/2001

PATENT APPLICATION: US/09/518,813

TIME: 13:18:10

Input Set : A:\102286-412.ST25.txt

Output Set: N:\CRF3\03022001\I518813.raw

```

309 <210> SEQ ID NO: 25
310 <211> LENGTH: 90
311 <212> TYPE: DNA
312 <213> ORGANISM: primer sequence fox2
314 <400> SEQUENCE: 25
315 ccgtatagat ctatgggatg gagctgtatc atcctcttct tggtagcaac agctacaggt      60
317 gtccactccg atgtcgtgat gacccaaact                                     90
320 <210> SEQ ID NO: 26
321 <211> LENGTH: 21
322 <212> TYPE: DNA
323 <213> ORGANISM: oligonucleotide TAR1
325 <400> SEQUENCE: 26
326 gatcagccag atttgagcag c                                             21
329 <210> SEQ ID NO: 27
330 <211> LENGTH: 21
331 <212> TYPE: DNA
332 <213> ORGANISM: oligonucleotide TAR2
334 <400> SEQUENCE: 27
335 gatcgtgtgt caaatctggc t                                             21
338 <210> SEQ ID NO: 28
339 <211> LENGTH: 33
340 <212> TYPE: DNA
341 <213> ORGANISM: primer sequence il5f1
343 <400> SEQUENCE: 28
344 ccgtatagat ctgaaattcc cactagtgcgca ttg                             33
347 <210> SEQ ID NO: 29
348 <211> LENGTH: 72
349 <212> TYPE: DNA
350 <213> ORGANISM: primer sequence il5r1
352 <400> SEQUENCE: 29
353 ccgtatggat ccgacgtcct caagcttggg atattatcag tgatgggtgat ggtgatgact      60
355 ttctattatc ca                                                         72
358 <210> SEQ ID NO: 30
359 <211> LENGTH: 39
360 <212> TYPE: DNA
361 <213> ORGANISM: primer sequence il5f2
363 <400> SEQUENCE: 30
364 ccgtatagat ctaagcttga aattcccact agtgcattg                         39
367 <210> SEQ ID NO: 31
368 <211> LENGTH: 33
369 <212> TYPE: DNA
370 <213> ORGANISM: primer sequence il5r2
372 <400> SEQUENCE: 31
373 ccgtatggat ccactttcta ttatccactc ggt                               33
376 <210> SEQ ID NO: 32
377 <211> LENGTH: 27
378 <212> TYPE: DNA
379 <213> ORGANISM: biotinylated oligonucleotide
381 <400> SEQUENCE: 32

```

VERIFICATION SUMMARY

DATE: 03/02/2001

PATENT APPLICATION: US/09/518,813

TIME: 13:18:11

Input Set : A:\102286-412.ST25.txt

Output Set: N:\CRF3\03022001\I518813.raw